

Abstract of the Disclosure

An adjusting device (11) for regulating the eccentric moment of an eccentric shaft (2) of a roller drum (1) through the influence of axially directed force transmitted by a force transmission mechanism (12) to a turning device (5), in order to cause a rotation of the eccentric shaft (2). The force transmission mechanism (12) is connected to the adjusting device (11). The adjusting device (11) incorporates a driving device (20), a transmission (19), a tube sleeve (17) and a guide screw (14) which is rotatably arranged in a threaded bore (16) in a journalling shaft (15) for the roller drum (1). The driving device (20) is connected to the tube sleeve (17) via a transmission (19) for transmitting a rotary movement to the tube sleeve (17). The guide screw (14) is arranged outside the tube sleeve (17) with a spline joint (18) whereby the guide screw (14) is displaced axially when the tube sleeve (17) is rotated and consequently transmits an axial movement to the force transmission mechanism (12) which is connected to the guide screw (14) via a bearing assembly.